To: Korleski, Christopher[korleski.christopher@epa.gov]; Poy, Thomas[poy.thomas@epa.gov]; Bair, Rita[bair.rita@epa.gov]
Cc: Kaplan, Robert[kaplan.robert@epa.gov]; Ballotti, Doug[ballotti.douglas@epa.gov]; Alcamo, Thomas[alcamo.thomas@epa.gov]; Short, Thomas[short.thomas@epa.gov]; Drexler, Timothy[drexler.timothy@epa.gov]; Porter, Andrea[porter.andrea@epa.gov]; Bosscher, Valerie[bosscher.valerie@epa.gov]
From: Deltoral, Miguel
Sent: Thur 4/27/2017 11:34:06 AM
Subject: Re: East Chicago and Soil Excavation Related BMPs

With respect to physical disturbances, the jackhammering of cement/asphalt is the most likely to result in elevated lead levels in the water. We were informed by SF that jackhammering did not occur during the recent pilot so we cannot assess the degree of impact, but if jackhammering cement or asphalt is envisioned in future work, there is a substantial risk of significant increases in lead levels in the water from dislodged scale and sediment from the LSLs and associated galvanized iron pipe. Cutting through asphalt/cement instead of jackhammering in LSLR cases I have been onsite for has taken only about 30 minutes total for a 4 ft x 4 ft section and I can't imagine any resident is going to object to a short delay given the potential risk from the jackhammering.

Miguel A. Del Toral
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Chicago, IL 60604
Phone: (312) 886-5253

From: Korleski, Christopher
Sent: Wednesday, April 26, 2017 04:59 PM
To: Poy, Thomas; Bair, Rita; Deltoral, Miguel
Cc: Kaplan, Robert; Ballotti, Doug; Alcamo, Thomas; Short, Thomas; Drexler, Timothy; Korleski, Christopher
Subject: East Chicago and Soil Excavation Related BMPs

Hey Tom, Rita, and Miguel:

At Monday's East Chicago Meeting, SFD acknowledged the BMPs noted in Miguel's final memo on the pilot study, but noted that its contractors would likely not be able to implement the following recommendation without incurring increased costs and/or delays:

o Soil Work Recommendations

▪· Minimize vibration of the ground near and above LSLs. For example, cut asphalt/concrete rather than jackhammering.

Recognizing that the BMP's cited in the pilot study report are based on an "abundance of caution", that only one of the pilot study sites showed a statistically significant increase of Pb post -excavation, and IDEM's provision of filters to the homes where excavation is occurring, I think the most important thing is for the excavation and removal of the contaminated soils to be undertaken as quickly as possible, even if it is not feasible for the highlighted BMP to be implemented.

SFD did not express any concerns with Miguel's post-excavation flushing recommendations, which further alleviates any concerns on my part.

Thanks.

Chris

Chris Korleski

Director, Water Division, Region 5

U.S. Environmental Protection Agency

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312 886-1432 (Liz Rosado, Assistant)

312 353-5498 (General Office Number)

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